

DEPARTMENT OF THE AIR FORCE  
Headquarters US Air Force  
Washington DC 20310-2500

ANGMS 4350

31 March 1993

## AEROSPACE SYSTEM SECURITY/AIRCRAFT

**1. Objective.** As prescribed in AFR 8-10, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower requirements to accomplish the tasks described in the work center description (WCD) for varying levels of workload volume for Aerospace System Security/Aircraft.

**2. Authority.** AFR 207-1 contains USAF and Air National Guard (ANG) command policy and procedural guidance for the protection of priority B and C aircraft resources. This ANGMS has been developed in accordance with procedures contained in AFR 25-5, 16 May 1988.

**3. Applicability.** This standard applies to security post requirements at all host Air National Guard flying units providing priority B and/or C aircraft security. This standard does not apply to ANG flying units tenant to other ANG, AFRES, or USAF flying units providing priority B and/or C aircraft protection, ANG mission support units, and ANG training sites (Alpena, MI; Gulfport, MS; Volk Field, WI; and Savannah, GA). This standard applies only to peacetime operations.

**4. Standard Data:**

a. **Classification.** Type III.

b. **Approval Date.** 11 Nov 91.

c. **Man-Hour Data Source.** Based on position manpower for priority B and C aircraft validated security police post; see AFR 207-1.

d. **Standard Manpower Equation:**

(1)  $Y = 5.225X$

(2)  $Y = bX$

(3) Where:  $b = \frac{(24) + (1.812) + (.6660)(7)(4.348)(1.042)}{160.7}$

e. **Workload Factor:**

(1) **Title.** A Post Equivalent (PE) Authorized.

(2) **Definition.** The total number of posts/patrols required, as directed by AFR 207-1, approved by ANGRC/SEP, and validated by ANGRC/XPMR. PEs are normally expressed in whole numbers or a fraction thereof.

(3) **Source:** AFR 207-1, approved by ANGRC/SEP, and validated by ANGRC/XPMR.

**5. Application Instructions:**

a. The manpower equation was developed utilizing the post manning nonmeasurement method with the following parameters:

(1) A 24-hour operation.

(2) 3 shifts per day, 7 days per week, including holidays.

(3) One authorization per shift.

(4) .6040 hours per shift, per day for Post Associated Tasks (PATs) [ $1.812 = .6040(3)$ ].

(5) .2220 hours per shift, per day for Delay Time (DT) [ $.6660 = .2220(3)$ ].

(6) Each individual is authorized 6.5 man-hours per month for Post Qualification Training (PQT).

b. If any of these parameters change, compute the new value using the appropriate instructions that follow and substitute this new value in the manpower equation at 4d(3) above.

c. **Explanation of Terms/Values:**

$\frac{(\text{hrs/day}) + (\text{PAT}) + (\text{DT})(\text{days/wk})(\text{weekly conv.})(\text{PQT})}{\text{Military MAF}}$

Military MAF

(1) PATs are those tasks that must be accomplished on a daily basis in addition to the eight-hour shift work per individual. In the case of ANG aircraft security, this equates to 12.63 hours per month (.6040 hours daily).

PAT = .6040 hours/day

(2) DT for shift change is the time required to change posted positions every eight hours. In the ANG, this time averages 13.32 minutes per shift change (.2220 hours daily).

DT = .2220 hours/day

(3) PQT is the training required to meet monthly post qualifications. It was determined that 6.5 man-hours per month are required per individual authorized to satisfy this requirement. Obtain the current value for the military man-hour availability factor (MAF) and substitute it for the denominator in the PQT equation. The formula for determining the PQT is as follows:

No. of Printed Pages: 5

OPR: ANGRC/XPME (Maj. Castleberry)

Approved by: Lt Gen Conaway

Edited by: Ms. N. Salch

Distribution: F, X

$$(a) \text{ PQT} = 1 + \frac{T}{\text{Military MAF} - T}$$

$$(b) \text{ PQT} = 1 + \frac{6.5}{160.7 - 6.5} = 1.042$$

d. If the current parameters are still valid, including the value for the military MAF, then compute the value for X.

$$(a) \text{ PE} = \frac{(\text{hrs/day})(\text{days/wk})(4.348)}{730.464} (\text{Crew Size})$$

(b) Explanation of multipliers:

1. Hours of day the post is manned (hr/day).
2. Days per week the post is manned (days/wk).
3. Weeks available per month (4.348).
4. Crew size is the number of individuals required per shift to man the post.

(c) The dividend in the PE equation is the total man-hours in one month [(24)(7)(4.348) = 730.464].

NOTE: A one-person post/patrol manned 24 hours per day, 7 days a week including holidays is equal to 1 PE.

e. Substitute the value for X, derived from paragraph 5d above, in the fractional manpower equation at 4d(1) and round to the appropriate number of whole manpower authorizations.

f. The AF Form 1113, Standard Manpower Table, identifies the aggregate of allowed manpower by specialty title and AFSC. The following functions have been combined to allow more efficient use of the total number of manpower authorizations earned by the standard: Central Security Control, Entry Controller, Security Response Teams, and Close Boundary Security Posts.

g. Refer to Attachment Two, Standard Manpower Table. (1) Find the column that identifies the number of total requirements, and (2) read up and across the column to identify AFSCs and grades.

6. **Statement of Conditions.** Functional Account Codes (FACs) 4352 (Priority B Aircraft Protection) and 4353 (Priority C Aircraft Protection) have been combined into FAC 4350 for more efficient use of ANG manpower allocations. Priority B and C aircraft security performs post/patrol duties necessary to protect Priority B and C aircraft resources. The location and scope of Priority B and C aircraft resources will vary from base to base. The normal hours of operation for this work center are 24 hours a day, seven days a week, including holidays. There are no other standard-of-living constraints that affect the daily operation of this work center.

**PUBLISHED UNDER AUTHORITY OF THE SECRETARY OF THE AIR FORCE**

**JOHN B. CONAWAY**  
Lieutenant General, USAF  
Chief, National Guard Bureau

**OFFICIAL**

**E. DARDEN BAINES**  
Director  
Administrative Services

**2 Attachments**  
**1. Work Center Description**  
**2. Standard Manpower Table**

**WORK CENTER DESCRIPTION****Aerospace System Security/Aircraft****DIRECT:**

**1. FLIGHT SERGEANT/SECURITY RESPONSE TEAM LEADER.** Performs flight management, indoctrinates newly assigned personnel, rates performance, prepares evaluation [evaluation performance rating (EPR) and post certification] on subordinate personnel, nominates personnel for award, conducts training, investigates incident, reviews incoming and outgoing distribution, processes and monitors leave, schedules personnel for duty assignment, posts flight members, evaluates duty performance of flight member at post, conducts inspection of post facility, conducts inspection of vehicle and equipment, operates vehicle and equipment, manages scheduled and unscheduled post relief break, conducts and evaluates exercises, performs armorer duties, and performs duties as Security Response Team (SRT) Leader.

**2. ENTRY CONTROLLER.** Receives information on any development or condition relative to the security of the post, controls entry into the Priority "B" aircraft area, maintains single badge system, maintains formal entry control roster, maintains visitor register, employs visitor escort system, employs duress system, employs personal recognition system, employs signature and credential check system, and maintains Entry Authority List (EAL).

**3. SECURITY CONTROLLER.\*** Receives information on development or condition relative to the security of the post, performs telecommunications operational equipment check, performs functional check of Intrusion Detection System (IDS), dispatches SRT to assess alarm, conducts operations briefing for the orderly transfer of operational control of the post, and performs administrative duties associated with the security controller post.

**\*NOTE:** When Central Security Controller (CSC) is collocated with the Entry Control Post, the Security Controller's duties will be performed by the Entry Controller.

**4. SECURITY RESPONSE TEAM MEMBER.** Receives information on development or condition relative to the security of the post, alerts Central Security Control of any unusual situation in the area, operates vehicle and equipment, provides immediate mobile armed response within a specified time period to neutralize any threat to priority "B" or "C" resource, provides on-the-scene determination of an act or incident, investigates the act or incident, initiates the appropriate corrective action including emergency security operations, and informs relief personnel of any development or condition relative to the security of the post.

**5. CLOSE BOUNDARY SENTRY POST.** Receives information on any development or condition relative to the security of the post, operates equipment, patrols inside the restricted area, alerts Central Security Control of any unusual situation in the area, prevents potential destruction of priority "B" aircraft, detects and challenges unidentified personnel approaching the area, and informs relief personnel of any development or condition relative to the security post.

**6. MOBILE PATROL POST.** Receives information on development or condition relative to the security of the post, operates vehicle and equipment, patrols inside the restricted area, alerts Central Security Control of any unusual situation in the area, prevents potential destruction of priority "C" resources, detects and apprehends unauthorized personnel and equipment near priority "C" resources, and informs relief personnel of any development or condition relative to the security of the post.

**INDIRECT:**

**1. POST ASSOCIATED TASKS.** Obtains/issues weapon, ammunition, and equipment; travels to guardmount area, conducts/attends guardmount, posts flight member, travels to weapon turn-in area, and turns in weapon, ammunition, and equipment.

**2. POST QUALIFICATION TRAINING.** Receives recurring and annual qualification training.

STANDARD MANPOWER TABLE												
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE									
Aircraft System Security/Aircraft/4350			Post Manning									
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT									
Security Police	811X0	AGR	10	11	12	13	14	15	16	17	18	
TOTAL			10	11	12	13	14	15	16	17	18	
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT									
Security Police	811X0	AGR	19	20	21	22	23	24	25	26	27	
TOTAL			19	20	21	22	23	24	25	26	27	

## STANDARD MANPOWER TABLE

WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE									
Aircraft System Security/Aircraft/4350			Post Manning									
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT									
Security Police	811X0	AGR	28	29	30	31	32	33	34	35	36	
TOTAL			28	29	30	31	32	33	34	35	36	
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT									
Security Police	811X0	AGR	37	38	39	40						
TOTAL			37	38	39	40						

**AEROSPACE SYSTEM SECURITY/AIRCRAFT**

ANGMS 4350, 31 March 1993, is changed as follows:

**Page Insert Changes**

<b>Remove</b>	<b>Date</b>	<b>Insert</b>
4-5	31 Mar 93 (Atch 2)	4-5

BY ORDER OF THE SECRETARY OF THE AIR FORCE

JOHN B. CONAWAY  
Lieutenant General, USAF  
Chief, National Guard Bureau

OFFICIAL

E. DARDEN BAINES  
Director  
Administrative Services